

## ABSTRACT

In a holographic recording apparatus having a hologram medium for storing an interference pattern between a reference beam and a modulated signal beam, a double-layered mask for modulating a signal beam with data to generate the modulated signal beam has a first and a second opaque film and a transparent plate inserted therebetween. The first and the second opaque film face each other and have a plurality of first and second recording tracks, respectively. The first and the second recording tracks are alternately arranged, wherein the data to modulate the signal beam therewith are alternately embedded along the first and the second recording tracks such that one of two neighboring recording tracks is one of the first recording tracks and the other is one of the second recording tracks.